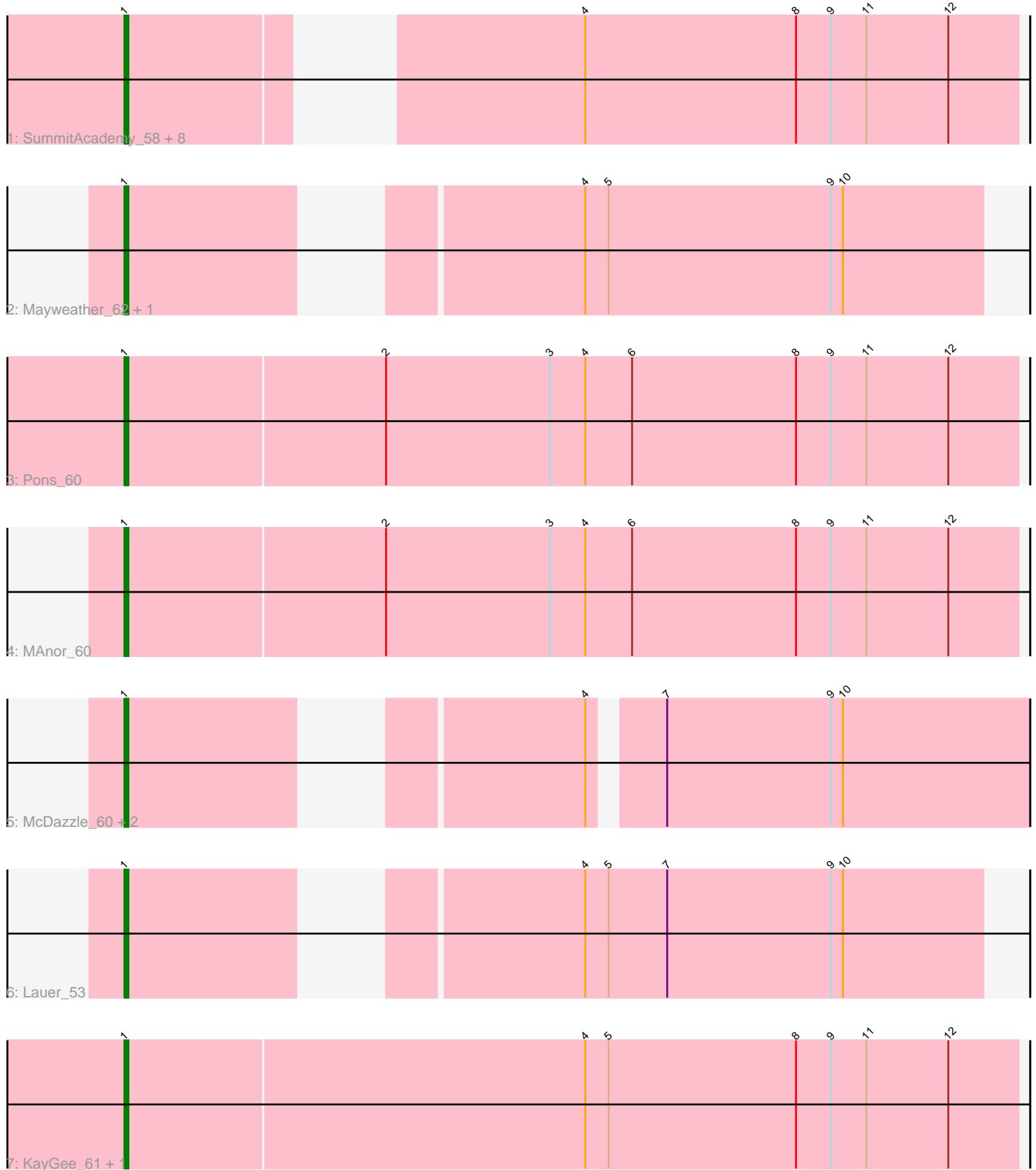# Pham 280917

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 280917 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280917 has 19 members, 5 are drafts.

Phages represented in each track:
• Track 1 : SummitAcademy_58, Yucky_61, BigChungus_58, CocoaPuff_58, Feastonyeet_58, Balloona_57, PotPie_58, Vine_61, Bavilard_57
• Track 2 : Mayweather_62, CherryonLim_59
• Track 3 : Pons_60
• Track 4 : MAnor_60
• Track 5 : McDazzle_60, SheckWes_62, ElJefes_60
• Track 6 : Lauer_53
• Track 7 : KayGee_61, Elinal_63

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 1, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Balloona_57, Bavilard_57, BigChungus_58, CherryonLim_59, CocoaPuff_58, ElJefes_60, Elinal_63, Feastonyeet_58, KayGee_61, Lauer_53, MAnor_60, Mayweather_62, McDazzle_60, Pons_60, PotPie_58, SheckWes_62, SummitAcademy_58, Vine_61, Yucky_61,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 1:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Balloona_57 (CT), Bavilard_57 (CT), BigChungus_58 (CT), CherryonLim_59 (CT), CocoaPuff_58 (CT), ElJefes_60 (CT),

Elinal_63 (CT), Feastonyeet_58 (CT), KayGee_61 (CT), Lauer_53 (CT), MAnor_60 (CT), Mayweather_62 (CT), McDazzle_60 (CT), Pons_60 (CT), PotPie_58 (CT), SheckWes_62 (CT), SummitAcademy_58 (CT), Vine_61 (CT), Yucky_61 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 1 was manually annotated 14 times for cluster CT.

Gene Information:
Gene: Balloona_57 Start: 41340, Stop: 41140, Start Num: 1
Candidate Starts for Balloona_57:
(Start: 1 @41340 has 14 MA's), (4, 41250), (8, 41196), (9, 41187), (11, 41178), (12, 41157),

Gene: Bavilard_57 Start: 40350, Stop: 40153, Start Num: 1
Candidate Starts for Bavilard_57:
(Start: 1 @40350 has 14 MA's), (4, 40260), (8, 40206), (9, 40197), (11, 40188), (12, 40167),

Gene: BigChungus_58 Start: 40881, Stop: 40681, Start Num: 1
Candidate Starts for BigChungus_58:
(Start: 1 @40881 has 14 MA's), (4, 40791), (8, 40737), (9, 40728), (11, 40719), (12, 40698),

Gene: CherryonLim_59 Start: 42360, Stop: 42154, Start Num: 1
Candidate Starts for CherryonLim_59:
(Start: 1 @42360 has 14 MA's), (4, 42267), (5, 42261), (9, 42204), (10, 42201),

Gene: CocoaPuff_58 Start: 40886, Stop: 40686, Start Num: 1
Candidate Starts for CocoaPuff_58:
(Start: 1 @40886 has 14 MA's), (4, 40796), (8, 40742), (9, 40733), (11, 40724), (12, 40703),

Gene: ElJefes_60 Start: 41416, Stop: 41216, Start Num: 1
Candidate Starts for ElJefes_60:
(Start: 1 @41416 has 14 MA's), (4, 41323), (7, 41308), (9, 41266), (10, 41263),

Gene: Elinal_63 Start: 41689, Stop: 41462, Start Num: 1
Candidate Starts for Elinal_63:
(Start: 1 @41689 has 14 MA's), (4, 41572), (5, 41566), (8, 41518), (9, 41509), (11, 41500), (12, 41479),

Gene: Feastonyeet_58 Start: 40881, Stop: 40681, Start Num: 1
Candidate Starts for Feastonyeet_58:
(Start: 1 @40881 has 14 MA's), (4, 40791), (8, 40737), (9, 40728), (11, 40719), (12, 40698),

Gene: KayGee_61 Start: 41689, Stop: 41462, Start Num: 1
Candidate Starts for KayGee_61:
(Start: 1 @41689 has 14 MA's), (4, 41572), (5, 41566), (8, 41518), (9, 41509), (11, 41500), (12, 41479),

Gene: Lauer_53 Start: 41866, Stop: 41672, Start Num: 1
Candidate Starts for Lauer_53:

(Start: 1 @41866 has 14 MA's), (4, 41773), (5, 41767), (7, 41752), (9, 41710), (10, 41707),

Gene: MAnor_60 Start: 41820, Stop: 41593, Start Num: 1
Candidate Starts for MAnor_60:
(Start: 1 @41820 has 14 MA's), (2, 41754), (3, 41712), (4, 41703), (6, 41691), (8, 41649), (9, 41640), (11, 41631), (12, 41610),

Gene: Mayweather_62 Start: 42083, Stop: 41889, Start Num: 1
Candidate Starts for Mayweather_62:
(Start: 1 @42083 has 14 MA's), (4, 41990), (5, 41984), (9, 41927), (10, 41924),

Gene: McDazzle_60 Start: 41410, Stop: 41210, Start Num: 1
Candidate Starts for McDazzle_60:
(Start: 1 @41410 has 14 MA's), (4, 41317), (7, 41302), (9, 41260), (10, 41257),

Gene: Pons_60 Start: 41425, Stop: 41198, Start Num: 1
Candidate Starts for Pons_60:
(Start: 1 @41425 has 14 MA's), (2, 41359), (3, 41317), (4, 41308), (6, 41296), (8, 41254), (9, 41245), (11, 41236), (12, 41215),

Gene: PotPie_58 Start: 41916, Stop: 41716, Start Num: 1
Candidate Starts for PotPie_58:
(Start: 1 @41916 has 14 MA's), (4, 41826), (8, 41772), (9, 41763), (11, 41754), (12, 41733),

Gene: SheckWes_62 Start: 40956, Stop: 40756, Start Num: 1
Candidate Starts for SheckWes_62:
(Start: 1 @40956 has 14 MA's), (4, 40863), (7, 40848), (9, 40806), (10, 40803),

Gene: SummitAcademy_58 Start: 41059, Stop: 40859, Start Num: 1
Candidate Starts for SummitAcademy_58:
(Start: 1 @41059 has 14 MA's), (4, 40969), (8, 40915), (9, 40906), (11, 40897), (12, 40876),

Gene: Vine_61 Start: 41682, Stop: 41482, Start Num: 1
Candidate Starts for Vine_61:
(Start: 1 @41682 has 14 MA's), (4, 41592), (8, 41538), (9, 41529), (11, 41520), (12, 41499),

Gene: Yucky_61 Start: 41474, Stop: 41274, Start Num: 1
Candidate Starts for Yucky_61:
(Start: 1 @41474 has 14 MA's), (4, 41384), (8, 41330), (9, 41321), (11, 41312), (12, 41291),